

20010220.qrp v02_n104.qrl.20010220

Date: Tue, 20 Feb 2001 19:03:15 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2104

QRP-L Digest 2104

Topics covered in this issue include:

- 1) [92104] Junque For Sale
by John.Meade@smc.com
- 2) [92105] CQ ... CQ ... ATTN: Doug Hendricks KI6DS...!!
by "GM0NWI" <GM0NWI@btinternet.com>
- 3) [92106] FT: Scout 40M module for 15 or 30 M
by "James C. Owen, III" <k4cgy_list@yahoo.com>
- 4) [92107] Antenna Advice
by "Brian Murrey" <bmurrey@amexol.net>
- 5) [92108] Award Shipments
by "Thom Durfee" <wi8w@arrl.net>
- 6) [92109] Comoros island D68C lowest power worked?
by Jim Hale <kj5tf@yahoo.com>
- 7) [92110] Re: antenna advice?
by "Bob Tellefsen" <n6wg@earthlink.net>
- 8) [92111] Fred VE3FAL Spot on 7.141.6
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 9) [92112] D68C lowest power
by "George Osier" <gosier@twcny.rr.com>
- 10) [92113] MILLION MILES PER WATT award ????
by "George Osier" <gosier@twcny.rr.com>
- 11) [92114] Re: Comoros island D68C lowest power worked?
by wa4dou@excite.com
- 12) [92115] ARRL DX CW
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 13) [92116] Re: Comoros island D68C lowest power worked?
by "K7FD N7SG" <cqdx@teleport.com>
- 14) [92117] FOX - Last AF4PS Cub Fox outing Wednesday 2/21/01
by Macstein@aol.com
- 15) [92118] Re: Comoros island D68C lowest power worked?
by wa4dou@excite.com
- 16) [92119] Re: antenna advice?
by "Brian Murrey" <bmurrey@amexol.net>
- 17) [92120] Re: Rf Choke
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 18) [92121] [Elecraft] (no subject)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 19) [92122] Re: Rf Choke

- by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 20) [92123] Re: antenna advice?
by Macstein@aol.com
- 21) [92124] Norcal Doublet Construction
by K9nk@aol.com
- 22) [92125] FOX: Results after last week
by "Marshall Emm" <mgemm@mtechnologies.com>
- 23) [92126] Web Site Change Dayton Toy Store MI QRP
by Hank Kohl K8DD <k8dd@arrl.net>
- 24) [92127] Totally chance Warbler-Warbler-Warbler QSO...plus
by "William Mabry" <n4qa@hotmail.com>
- 25) [92128] Looking for test equipment
by Ed Kessler <edkess@epix.net>
- 26) [92129] Full-Wave Loop Skywire
by Ken Brown <n4so@juno.com>
- 27) [92130] Re: Full-Wave Loop Skywire
by "K7FD N7SG" <cqdx@teleport.com>
- 28) [92131] Great Fox Hunt, Thanks All
by Fred Lesnick <flesnick@tbaytel.net>
- 29) [92132] Progressive Receiver Layout/Design
by Ed Kessler <edkess@epix.net>
- 30) [92133] Re: Contest: ARRL DX Contest
by "Adrian Weiss" <aweiss@usd.edu>
- 31) [92134] Re: RadioKit 2/01/01
by "Larry Wise" <lewise@txwises.com>
- 32) [92135] Re: antenna advice
by david gauding <david.gauding@bbs.galilei.com>
- 33) [92136] Argo Fix
by "Karl F. Larsen" <k5di@zianet.com>
- 34) [92137] Sun's magnetic field flipped
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [92138] NF0R's antenna advice
by K5BDZ@aol.com
- 36) [92139] Re: Great Fox Hunt, Thanks All
by "Brian" <bmurrey@amexol.net>
- 37) [92140] Re: NF0R's antenna advice
by Bruce Muscolino <w6toy@erols.com>
- 38) [92141] ARRL DX Contest
by "Karl F. Larsen" <k5di@zianet.com>
- 39) [92142] Re: Newbie PSK-31 Question
by John R Kirby <n3aaz-qrp@juno.com>
- 40) [92143] Fw: Re: NF0R's antenna advice
by William R Colbert <w5xe@juno.com>
- 41) [92144] (no subject)
by K9ut@aol.com
- 42) [92145] Re: Great Fox Hunt, Thanks All
by N10DL@aol.com
- 43) [92146] Re: ARRL DX Test

by Jeff <fantbb@yahoo.com>

44) [92147] RE: antenna advice
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>

45) [92148] Michigan QRP Net
by ed.kwik@delphiauto.com

46) [92149] New pictures of Tuna Tin/Amp combo, de N4UY
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>

47) [92150] FS : various stuff (spring cleaning)
by "George Goodroe" <goodroe@worldnet.att.net>

48) [92151] An antenna question...
by "Lazaro Munoz" <laz@panix.com>

49) [92152] =?iso-8859-1?Q?FW:_URGENT_-
Agilent_93Learn_RF_Power_Measurement_Basics=94?=
by "Tom Scott" <tomrscott@sterlink.net>

50) [92153] Re: NF0R's antenna advice
by "Jay Bromley" <w5jay@alltel.net>

51) [92154] Re: NF0R's antenna advice
by Paul Dryer <psdryer@ticnet.com>

52) [92155] Holiday Milliwatt contest - Results
by Bob Kellogg <ae4ic@nr.infi.net>

53) [92156] Re: NF0R's antenna advice
by Bruce Muscolino <w6toy@erols.com>

54) [92157] Rigs used in the 9th O-QRP Contest
by mike.mhe@t-online.de (Michael Haugrund)

55) [92158] Re: NF0R's antenna advice
by Edgerhardt@aol.com

56) [92159] Re: Newbie PSK-31 Question
by "ZOOM" <kandrparker@sympatico.ca>

57) [92160] Re: NF0R's antenna advice
by Bob Kellogg <ae4ic@nr.infi.net>

58) [92161] Re: [GQRP] Future of home construction
by George Gingell <k3tks@u1.abs.net>

59) [92162] RE: NF0R's antenna advice
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>

60) [92163] Re: Q Dope
by "Bob Duckworth" <wb4mnf@atl.org>

61) [92164] Re: NF0R's antenna advice
by Jeff <fantbb@yahoo.com>

62) [92165] D68C Comoros Island/QST mag.
by Ken Brown <n4so@juno.com>

63) [92166] Re: [GQRP] Future of home construction
by "Leon Heller" <leon_heller@hotmail.com>

64) [92167] Re: Manual for Argo II
by "John L. Sielke" <w2agn@pobox.com>

65) [92168] Re: AL7FS ALASKA QRP LUNCH DEAL OF THE YEAR
by "Phinizy, William" <wphinizy@filenet.com>

66) [92169] CQ Review of FT-817
by "Bruce Prior" <n7rr@hotmail.com>

- 67) [92170] D68C
by "John L. Sielke" <w2agn@pobox.com>
68) [92171] K1 #497 is Alive and Well
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
69) [92172] Atlanticon hotel reservations
by "George Heron N2APB" <n2apb@erols.com>
70) [92173] Klunky Undo
by <wd9eyb@butler.qrp.com>
71) [92174] D68C contest logs are on !!!
by "George Osier" <gosier@twcnny.rr.com>
72) [92175] Re: D68C contest logs are on !!!
by Jeff <fantbb@yahoo.com>
73) [92176] K7Q0 on 20 meters
by Pete Burbank <plburbank@kih.net>
74) [92177] LDG Z-11
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
75) [92178] Re: Full-Wave Loop Skywire
by agtaylor@llnl.gov
76) [92179] Cub Fox Hunt Feb 19 2001(Results)
by Fred Lesnick <flesnick@tbaytel.net>
77) [92180] Re: D68C contest logs are on !!!
by Larry S Cahoon <wd3p@juno.com>
78) [92181] Re: LDG Z-11
by Paul Dryer <psdryer@ticnet.com>

Date: Mon, 19 Feb 2001 19:03:05 -0500
From: John.Meade@smc.com
To: qrp-l@lehigh.edu
Subject: [92104] Junque For Sale
Message-ID: <852569F9.0000277C.00@mta.smc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Anyone want a Lambda 0 to 100V (yes - that's one hundred) , 1.2A variable power supply? There is a meter on the front that can be switched between voltage and current. It's a bit heavy, and there is no manual, but it works. \$25

How about a nice looking MFJ 751 Audio Filter with manual? Not sure if it works, but I'll include replacements for all of the IC's in there. (two 747 op-amps and a 380 audio amp chip). \$20.

Reply directly to:

jemeade@suffolk.lib.ny.us

72,

John W2XS

Date: Tue, 20 Feb 2001 00:08:51 -0000
From: "GM0NWI" <GM0NWI@btinternet.com>
To: "American QRP List" <qrp-l@lehigh.edu>
Subject: [92105] CQ ... CQ ... ATTN: Doug Hendricks KI6DS...!!
Message-ID: <000c01c09ad1\$6601a4c0\$e038073e@AndyCunningham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug..... Guy's on the list readin' this....

Andy, GM0NWI, here.....in the town of Stirling, in central GM-land.....

We've e-mailed many time's before Doug, but just wanted to say "hi" from "Bonnie Scotland" and also to try and find out the answer's to something that I need to ask you....

Last year, I "posted" on the QRP-L, a "little somethin'" to try and find out for myself, some of the "over the pond" QRP club's, that were currently running, which would then have given me an idea, as to somewhat, the one's that I might like to become a member of....

I was then only a paid up member of the British equivalent, the "GQRP Cllub" of which my membership no. is 9576..... However now I am also a newly fully paid up member of "ARCI" also, thank's to the generosity of Mike WA8MCQ, who helped me with this year's membership fee..... many heartfelt thanks again Mike..... The edition's of "QRP Quarterly" that I had seen in the past, and now have been receiving due to my membership, for sure, make me realise what I'd been missing...!!

Doug..... I'm now in a position to hopefully apply for membership (if accepted) to the "Norcal" Qrp club, I have been in the past few months been receiving "complimentary" issues of "QRPP"..... WOW...!! Again fully realising what I've been missing over the year's.... I have gotten hold of a \$20 bill that I understand I need as payment for 1 YEAR'S subscription to "Norcal".....

What I'm wondering is, 1 Who do I send payment to allow me to join "Norcal"...? 2 The LAST edition I received "complimentary" from the "Norcal" groups was the yellow covered FALL 2000 edition..... I'd hate to have missed out on any of the follow-on edition's of "QRPP" after this, but if I have, so be it...

Have I indeed missed out on any further edition's from the FALL 2000 edition...? When I ascertain who to send the payment to, WHEN will I begin to receive any future edition's of "QRPP" as my membership begin's.....

Could you Doug, try and give me the answer's to these question's, then hopefully I'll have the payment ready to send to the US in the next few day's.....

Hear's hopin'....

72's de Andy
GM0NWI

gm0nwi@btinternet.com

Date: Mon, 19 Feb 2001 16:30:04 -0800 (PST)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [92106] FT: Scout 40M module for 15 or 30 M
Message-ID: <20010220003004.4406.qmail@web1601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have a like new 40M module for a Scout 555. I would like to trade for a 30M or 15M module.

73 Jim K4CGY
qrp-l #72

Do You Yahoo!?
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Date: Mon, 19 Feb 2001 19:53:11 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [92107] Antenna Advice

Message-ID: <006001c09ad7\$80b70ca0\$8d372bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well guys, I think we're all right. It just boils down to this.....get an antenna up, be it in the attic, the front yard, the garage or inside your tent....no matter what, any transmitter will ALWAYS radiate better with an antenna than not. I think that's on page 83 of the ARRL Handbook.

Harold....if you build it, QSO's will come.

My attic dipole has performed like a trooper....but YES, I'd prefer to have an external antenna. My neighborhood has no restrictions but frankly I don't need something else to mow around. Now I am considering a vertical this year, I'll slap it on my chimney and that'll put it about 30 feet in the air maybe. Who knows.

72 es "oo"

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Tue, 20 Feb 2001 01:09:10 -0000
From: "Thom Durfee" <wi8w@arrl.net>
To: <qrp-l@lehigh.edu>
Subject: [92108] Award Shipments
Message-ID: <001601c09ad9\$bd2875a0\$6401a8c0@grapid1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

If you have been waiting with anticipation for a QRPARCI Award that you sent to me or Steve N4EUK since Decenber 15, 2000, your wait is just about over. I have a bunch of 9 X 12 envelopes stuffed with awards that are going in the

mail tomorrow afternoon.

Thanks you very much for your patience while I moved into a new QTH and finally got everything in order.

Here is the breakdown of awards issued:

Mile Per Watt Awards: 24 believe it or not we have issued over 1800 of these.

DXCC QRP : 1

WAS QRP : 5

WAC QRP: 4

QRP25: 2

We also had our first WAC QRP with the new PSK31 Mode. That honor went to W3HF. He did it with 3 watts of output. So who wants to be #2?

I am also thinking about several new awards for the club. Have you got any ideas if what you would like to see in the way of something new and totally different from the same old, same old? If so drop me a note at wi8w@arrl.net

thanks

73

Thom Durfee WI8W
QRPARCI Award Manager
wi8w@arrl.net
<http://www.braarc.net>
QRPARCI #4015
QRP-L #1761
SOC #249
ARS #760
FP #165

Date: Mon, 19 Feb 2001 18:08:08 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [92109] Comoros island D68C lowest power worked?
Message-ID: <20010220020808.91147.qmail@web10005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

It wasn't planned but there was a little contest within a contest, to see who could work Comoros island with the least power.

George , N2JNZ/QRPP started out with 500mW on 10M, and I came in at 800mW on 20M. I followed that up by getting him using the AR QRP club call NQ5RP and 600mW.

Next I got him on 10M with 400mW. Watching the DX Monitor I saw that AC0X got him with 200mW on 12M.

I checked and he was CQ'ing with no callers, working split. I turned my power down to 100mW, and he heard me almost right away! After making the QSO I lowered again to 55mW and he still had no callers. So I sent "55mW de KJ5TF" and he sent a "TU" back.

My equipment; K2 #702 WM-2 wattmeter, Ten Tec 290 attenuator, 20M half square, & my 10/12M 2 element quad at 70ft.

Not sure if he understood what I was doing really. I saw the chance and took a shot at it. That DX team on Comoros island are trying to work as many stns as they can, but I saw no harm in the quick "double dip". All the same, I can only claim a lowest power of 100mW as that was clean.

72/3's de Jim KJ5TF
"All Milliwatts, All The Time"

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

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Date: Mon, 19 Feb 2001 18:25:15 -0800

From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [92110] Re: antenna advice?
Message-ID: <002301c09ae4\$5d07ff00\$61d9fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Harold

Don't despair. You will be in numerous company with attic antennas.. We have many QRP hams using the infamous "attic dipole" and working DX just fine. Many have Worked All States as well.

No, no particular advantage to wire heavier than 12 gauge. Even lighter wire will work just fine at QRP levels. As to length, if you use the PVC covered house wiring for the antenna, the plastic covering provides a bit of loading, so a 40m dipole will be less than 67 feet, perhaps closer 63 feet for example. When I do antenna modeling of dipoles with bent ends, letting them drop down raises your takeoff angle a bit. You are generally better off to bend the ends to a horizontal rather than a vertical run. Makes it like a long skinny Z.

You mention conduit. If it is metal conduit, don't run your balanced feedline, 300 ohm or 450 ohm line, in it. If it is a PVC conduit, it should be ok.

You will find many hams doing active antenna experiments with their attic antennas. Some have elected to add a reflector or director to gain a big of directionality and a tad of gain.

You need to seriously measure the dimensions of your attic and be a bit creative. You might for example use the long dimension for a 40m dipole. At right angles, you might have sloping dipoles for higher bands (shorter wires). You could even create a beam with inverted V elements, pointing in a favored direction. With a relay, you could make it reversible.

There is lots of room to experiment. Don't forget that space less than a halfwavelength isn't an insurmountable problem. Loaded elements work just fine, often with only slightly less gain than a full length element. As an example, I use two 55 ft dipoles with tuned feeders on 40m. With tuned feeders, I don't need to worry about loading at all.

Hope this and other inputs give you some ideas, Harold. See you on the air.

73, Bob N6WG

Date: Mon, 19 Feb 2001 21:24:12 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [92111] Fred VE3FAL Spot on 7.141.6
Message-ID: <200102192124_MC2-C629-8A8B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Come and get 'em while they're hot!--Fred Da Cub FOX is BOOMING into Bismarck tonight. Hopefully he can be seen all over the place :-). His frequency at 0213 was 7.141.6 on the K1 readout. As always, Fred is doing a FB job of operating. Go get, him, everyone.

72,
--Doc/K0EVZ

Date: Mon, 19 Feb 2001 21:34:35 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [92112] D68C lowest power
Message-ID: <001101c09ae5\$aa44d580\$25191842@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Jim es all !!!!!

Many congrats on the lower power , Jim !!!

I was just happy to get him !!!!

I adjust the power on my Argo 509 by lowering the drive which at its max will get me down to 50 mw ... below that I use the Model 290 and fine tune with the drive to get a exact setting

meter here is a WM-1 which gets recalibrated each spring it always seems to be on the mark !!! ..but ALWAYS keep a fresh battery in it !!!!

Antenna is a Cushcraft AR 10 Ringo up 25 ft.....
I know its not much but its gotten me about 210 countries !!!with 150
QRP and over 70 milliwatt ones !!! Must have a very low take off angle
I guess.....:)

Oh wellcongrats to all who participated in the test !!! .. and a hardy
"hello" to all those CRAZY milliwatters !!!!!

73s
George , N2JNZ/QRPP

Date: Mon, 19 Feb 2001 21:47:09 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [92113] MILLION MILES PER WATT award ????
Message-ID: <004701c09ae7\$6bbac8e0\$25191842@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!

Thom , WI8W was looking for sugestions for any new QRP-ARCI awards

How about a MILLION MILES PER WATT AWARD????

Either a seperate certificate or a nice endorsement???

comments ???

73s
George , N2JNZ/QRPP

Date: Mon, 19 Feb 2001 18:49:15 -0800 (PST)
From: wa4dou@excite.com
To: kj5tf@yahoo.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [92114] Re: Comoros island D68C lowest power worked?
Message-ID: <18416955.982637359136.JavaMail.imal@bubbles.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Jim,

The Comoros is real dx and once upon a time it was quite rare. The guys at D68C have a stated goal of providing a qso to any and all hams in the world who desired it. To their credit they erected first class antennas and are using fine equipment, are a bunch of great ops and will no doubt achieve that objective. Your mw qso's are testimony to all factors along and at both ends of the path, including ops. Congrats! 73 Roy WA4DOU

On Mon, 19 Feb 2001 18:08:08 -0800 (PST), kj5tf@yahoo.com wrote:

> It wasn't planned but there was a little contest
> within a contest, to see who could work Comoros island
> with the least power.
>
> George , N2JNZ/QRPP started out with 500mW on 10M, and
> I came in at 800mW on 20M. I followed that up by
> getting him using the AR QRP club call NQ5RP and
> 600mW.
>
> Next I got him on 10M with 400mW. Watching the DX
> Monitor I saw that AC0X got him with 200mW on 12M.
>
> I checked and he was CQ'ing with no callers, working
> split. I turned my power down to 100mW, and he heard
> me almost right away! After making the QSO I lowered
> again to 55mW and he still had no callers. So I sent
> "55mW de KJ5TF" and he sent a "TU" back.
>
> My equipment; K2 #702 WM-2 wattmeter, Ten Tec 290
> attenuator, 20M half square, & my 10/12M 2 element
> quad at 70ft.
>
> Not sure if he understood what I was doing really. I
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> Comoros island are trying to work as many stns as they
> can, but I saw no harm in the quick "double dip". All
> the same, I can only claim a lowest power of 100mW as
> that was clean.
>
> 72/3's de Jim KJ5TF
> "All Milliwatts, All The Time"
>
> =====
> <http://www.madisoncounty.net/~kj5tf/>
> Milliwatting Editor ARCI QRP Quarterly
> Join/renew membership QRP Amateur Radio Club International

> <http://www.qrparci.org/arcijoin.html>
> AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
> Private email kj5tf@madisoncounty.net
>
>
> -----
> Do You Yahoo!?
> Get personalized email addresses from Yahoo! Mail - only \$35
> a year! <http://personal.mail.yahoo.com/>

Send a cool gift with your E-Card
<http://www.bluemountain.com/giftcenter/>

Date: Mon, 19 Feb 2001 19:54:14 -0700
From: "Floyd Smithberg" <flydnq7x@primenet.com>
To: "QRP-L Message" <qrp-l@Lehigh.edu>
Subject: [92115] ARRL DX CW
Message-ID: <000701c09ae8\$7a8faba0\$c01bd440@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great to read the reports of all the QRP activitypropagation was good to most areas and it was an excellent time to pick up a few new ones. I got two full hours in and the rest were bits to make an approximate total of 11-12 hours. Picked up 4 new ones4Z5AX Israel, C3A Andorra, EX2X Kyrgyzstan and GJ2A Jersey for a new total of 176.
Worked C6AKQ(N4BP) friday nite and looked for C6/K7RE on 80M using my 40M verticle but nada. Then Sat am got on 10/15/20 and thought the bands were exceptionally quiet and the signals weak. After struggling thru 40 Qs discovered I forgot to switch back to the beam....geesh....must be catching my XYLs Alzheimers 8-(

BAND	QSOs	Points	Mults
40cw	10	30	9
20cw	59	177	34
15cw	58	174	35
10cw	86	258	41

213

639

119

Score = 76,041

Equip: TS850S/5W----TriBand Yagi/40+ft----486TP/TR656....CMOSIII/Kent paddle
Congratulations to all you QRPers that joined the fray and thanks to all the
QROs that
worked us.
73 Floyd NQ7X Phoenix,AZ ScQRPion DM33uq

Date: Mon, 19 Feb 2001 18:59:51 -0800

From: "K7FD N7SG" <cqdx@teleport.com>

To: <wa4dou@excite.com>

Cc: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [92116] Re: Comoros island D68C lowest power worked?

Message-ID: <005f01c09ae9\$32f442a0\$4e231ad8@N7SG>

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Good point! I'd love to know what antennas they have up over there...

...they're gangbusters every time I hear them. I'll have to search for their
webpage and checkout their setup.

I worked them, too, but with qro - 5 watts, hi! My only beef with these big
operations is that it seems to me it's almost like 'clearcutting' in the dx
forest. Run, run, run until there's no more calling...then pack up and go
home. D68 is now whipped. Of course, over time, its popularity will increase
again. Still, I'm not so sure these mega-operations are so good...but it
sure made it swell for us qrp'ers!

Just some thoughts...73, John K7FD

> Hi Jim,

> The Comoros is real dx and once upon a time it was quite rare. The guys
at

> D68C have a stated goal of providing a qso to any and all hams in the
world

> who desired it. To their credit they erected first class antennas and are

> using fine equipment, are a bunch of great ops and will no doubt achieve

> that objective. Your mw qso's are testimony to all factors along and at
both

> ends of the path, including ops. Congrats! 73 Roy WA4DOU

Date: Mon, 19 Feb 2001 22:06:38 EST
From: Macstein@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [92117] FOX - Last AF4PS Cub Fox outing Wednesday 2/21/01
Message-ID: <55.11659c52.27c3393e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I'm the Cub Fox on Wednesday 2/21/01 9:00 pm Eastern, Thursday 2/22/01 0200 UTC.

Same procedure as before... I'll find a spot above 7140 (or use 7137 as an alternate).

I send at 10-12 wpm, and use your call at the begining and end of the exchange info. I'll use the RIT up (not down) but will stay away from the BCI on 7.140 and 7.143.

I hope the noise level is lower. The dry FL weather has my power lines singing.. we have drought and fires big time! Fred VE3FAL sure did a good job in noisy condx!!!

72
-MAC-
AF4PS
Odessa, FL "Home of the Infamous Attic Dipole" and stealth loop

K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510, ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28, West FL QRP, TARC, ARS #751, Flying Pig QRP #-51 and various other annual \$15 commitments.

Date: Mon, 19 Feb 2001 19:10:15 -0800 (PST)
From: wa4dou@excite.com
To: cqdx@teleport.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [92118] Re: Comoros island D68C lowest power worked?
Message-ID: <6591863.982638615246.JavaMail.imal@bubbles.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

John,

Try www.dxbands.com/comoros/logbook.shtml and then click on "equipment" and "antennas." Yaesu, Cushcraft, lots of Force 12 and Titanex. 73 Roy WA4DOU

On Mon, 19 Feb 2001 18:59:51 -0800, cqdx@teleport.com wrote:

> Good point! I'd love to know what antennas they have up over there...
>
> ...they're gangbusters every time I hear them. I'll have to search for
their
> webpage and checkout their setup.
>
> I worked them, too, but with qro - 5 watts, hi! My only beef with these
big
> operations is that it seems to me it's almost like 'clearcutting' in the
dx
> forest. Run, run, run until there's no more calling...then pack up and go
> home. D68 is now whipped. Of course, over time, its popularity will
increase
> again. Still, I'm not so sure these mega-operations are so good...but it
> sure made it swell for us qrp'ers!
>
> Just some thoughts...73, John K7FD
>
>
>
> > Hi Jim,
> > The Comoros is real dx and once upon a time it was quite rare. The
guys
> at
> > D68C have a stated goal of providing a qso to any and all hams in the
> world
> > who desired it. To their credit they erected first class antennas and
are
> > using fine equipment, are a bunch of great ops and will no doubt
achieve
> > that objective. Your mw qso's are testimony to all factors along and at
> both
> > ends of the path, including ops. Congrats! 73 Roy WA4DOU
>
>

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<http://www.bluemountain.com/giftcenter/>

Date: Mon, 19 Feb 2001 22:08:43 -0500
From: "Brian Murrey" <bmurrey@amexol.net>
To: <n6wg@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92119] Re: antenna advice?
Message-ID: <000901c09aea\$6fe55860\$0964030a@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Don't despair. You will be in numerous company with attic antennas.. We
> have many QRP hams using the infamous "attic dipole" and working DX just
> fine. Many have Worked All States as well.

Amen brother! Testify! Testify! Testify!!

> No, no particular advantage to wire heavier than 12 gauge. Even lighter
> wire will work just fine at QRP levels. As to length, if you use the PVC
> covered house wiring for the antenna, the plastic covering provides a bit
of
> loading, so a 40m dipole will be less than 67 feet, perhaps closer 63 feet
> for example. When I do antenna modeling of dipoles with bent ends,
letting
> them drop down raises your takeoff angle a bit. You are generally better
> off to bend the ends to a horizontal rather than a vertical run. Makes it
> like a long skinny Z.

Exactly what I have here....a long skinny Z...my Z ends are about 5 foot on
each end.

> You will find many hams doing active antenna experiments with their attic
> antennas. Some have elected to add a reflector or director to gain a big
of
> directionality and a tad of gain.

Everytime I got up THERE, I leave half my scalp on the roofing nails!
<OWCHEE-WAWA>

> You need to seriously measure the dimensions of your attic and be a bit

> creative. You might for example use the long dimension for a 40m dipole.
> At right angles, you might have sloping dipoles for higher bands (shorter
> wires). You could even create a beam with inverted V elements, pointing
in
> a favored direction. With a relay, you could make it reversible.

Indeed! Indeed! Bob u r DA MAN! Fan dipoles in the attic work OK too.

BTW...got WAS on my NC40A at about 1.2w and the attic dipole. With my Ten
Tec Scout at 5W I have worked about 20 countries (15 of them this
weekend!)...best DX was Reunion Island off the coast of Madagascar on 30M
(2:1 SWR almost) and 5w.

Date: Mon, 19 Feb 2001 22:12:15 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [92120] Re: Rf Choke
Message-ID: <007601c09aea\$edac7120\$3c362e3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Joe,

A few years back (4 maybe?) I called Doug DeMaw, W1FB (SK) on the phone and
asked him about coax chokes vs. 1:1 bead balun chokes. He felt coax chokes
would work well in my environment. I've used them ever since and they
definitely work for me.

For my 10 Meter inverted-v dipole I used a 2 liter Coke bottle as a form.
After wrapping the coax around the bottom I used a shop knife to cut away the
rest of the bottle, leaving the bottom third of the bottle as a form for the
choke. The diameter of a Coke bottle is pretty close to the diameter of 4"
PVC - and I didn't feel like schlepping to Home Depot for the pipe that
Saturday afternoon...

I took the measurements from the ARRL Antenna book and made a choke for my
40 Meter dipole without a form, going by the measurements in the book.
Unfortunately my best attempts at keeping the turns next to each other
failed recently and I'm going to put up another one shortly using either the
Coke bottle method or 4" PVC pipe for the form. That antenna's been up for
a few years so that ain't bad.

Here is some excellent info from Ed Gilbert, WA2SRQ. I have Ed's details if you or someone else is interested, but just copied Ed's conclusions here:

Conclusions

- A 1:1 coaxial balun with excellent choking reactance for 10 through 20 meters can be made by winding 6 turns of RG-213 on inexpensive 4 inch PVC sewer pipe.
- For 40 or 30 meters, use 12 turns of RG-213 on 4 inch PVC sewer pipe.
- Don't bunch the turns together. Wind them as a single layer on a form. Bunching the turns kills the choking effect at higher frequencies.
- Don't use too many turns. For example, the HyGain manuals for my 10 and 15 meter yagis both recommend 12 turns 6 inches in diameter. At the very least this is about 3 times as much coax as is needed, and these dimensions actually give less than the desired choking impedance on 10 and 15 meters.

GL and let me know how it goes and if you need more. Keep the choke just below the feedpoint if you can. I use 3/4" PVC pipe as center insulators and end insulators for my dipoles.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@mindspring.com

Date: Mon, 19 Feb 2001 22:14:58 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:SJWHITTON@aol.com" <SJWHITTON@aol.com>
Cc: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>, "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [92121] [Elecraft] (no subject)
Message-ID: <200102192215_MC2-C621-3FCA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Steve:

Point your browser at <http://www.cqc.org/fox/> and hopefully many of your questions will be answered. This site has information about the philosophy of the hunt, the "FOXES", the "hunters", and the results. =

Let me invite you to jump right in there. BTW, on Mondays and Wednesdays (USA-time) we have a slow-speed hunt called the Cub FOX Hunt. Their web page is <http://www.qsl.net/k5di/fox/>. You would be most welcome to jump in here, also. =

72,
--Doc/K0EVZ

Date: Mon, 19 Feb 2001 22:23:01 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [92122] Re: Rf Choke
Message-ID: <008a01c09aec\$6f19e020\$3c362e3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Joe,

Forgot to ask, what type of coax are you using to feed the antenna?

DavisRF and The Wireman sell RG-213 for about .33-.36/foot, good stuff. Don't use foam dielectric coax to wrap the choke. If you already have foam stuff you could go with a PL-258 barrel and use other non-foam stuff to make the choke.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@mindspring.com

Date: Mon, 19 Feb 2001 22:25:54 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [92123] Re: antenna advice?
Message-ID: <96.10470743.27c33dc2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I'm very happy with my IAD, Infamous Attic Dipole. I still get Foxes on it. Not ALL of them though... groan. I like the stealth loop for 15 and 30 meters. My four favorite resources (aside from the HANDBOOK!) are Dr. Megacycle's site, L.B.'s site and Moxon's book and Maxwell's book.

<http://www.qsl.net/kk6mc/>
<http://www.cebik.com/>
<http://www.hard-core-dx.com/nordicdx/antenna/wire/index.html>

Good luck!!

72

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Looop

K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510, ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28, West FL QRP, TARC, ARS #751, Flying Pig QRP #-51 and various other annual \$15 commitments.

Date: Mon, 19 Feb 2001 22:37:14 EST
From: K9nk@aol.com
To: <qrp-l@lehigh.edu>
Subject: [92124] Norcal Doublet Construction
Message-ID: <83.71b1184.27c3406a@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi - I guess with all the contesting the weekend no one was able to give me a response -- hope I have better luck.

Can anyone tell me where I can get information on the construction of a Norcal Doublet. I understand they are normally designed for 40-10 and I also wanted to find out what the dimensions would be if I wanted it to operate 10-20 for a

smaller size antenna.

Would appreciate any help!

72's - Norm - K9NK
email: k9nk@aol.com

Date: Mon, 19 Feb 2001 20:38:45 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [92125] FOX: Results after last week
Message-ID: <3A918455.14406.1512794@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The progressive results for the QRP-L 40M Foxhunt after Hunt 35 have been posted on the web site at -- <http://www.cqc.org/fox> . Wow, was it ever a shake-up week! Only a paltry 7 hunts to go!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Mon, 19 Feb 2001 22:36:42 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-l@lehigh.edu
Subject: [92126] Web Site Change Dayton Toy Store MI QRP
Message-ID: <5.0.2.1.2.20010219222911.0223ca80@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

It appears that Earthlink / OneMain has blown our web pages away for no apparent reason.

For once I had good backups!

Dayton Rooms

<http://www.qsl.net/k8dd/rooms/dids.htm>

QRP-ARCI Toystore

<http://www.qsl.net/k8dd/toystore/thetoystore.htm>

MI QRP Club

<http://www.qsl.net/k8dd/miqrp/miqrp.htm>

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

Date: Mon, 19 Feb 2001 22:50:40 -0500

From: "William Mabry" <n4qa@hotmail.com>

To: qrp-1@lehigh.edu

Subject: [92127] Totally chance Warbler-Warbler-Warbler QSO...plus

Message-ID: <F180aogxLDp7mvjk02200005e32@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

This evening, saw N9CX, Bill in Ohio and N2L0, Bob in New Jersey in BPSK31 QSO on 3580.3(eh, more or less). Bob was making adjustments to his xmit audio and I just had to butt in with my two cents' worth. Anyway, Bill and Bob graciously asked me to hang around and we had a most enjoyable Warbler PSK roundtable QSO for about a half-hour. I can see right now that we are in need of an 'official' Warbler theme song...maybe to the tune of 'Rawhide'...you know the one...even Wal-Mart has used it..."Warblin', Warblin', Warblin'...though the signal's garblin'... keep them doggies warblin'...Warblers..." Hey, somebody help me out here!

THEN, about an hour later, saw a track up on 3580.5...sent out a 'whodat?' and, wouldn't you know it, another Warbler...this one at the QTH of KU4Q0, Mike in Palm Harbor, Florida (near Tampa). Mike was working on that particular Warbler for a friend and I imagine the friend will be pleased to learn that his Warbler was involved in a two-way with another Warbler in Southwest Virginia tonight. Why, just the other week, I worked the great state of Texas with this thang...and Connecticut and Missouri and even the opposite end of Pulaski County! Just tonight I worked TWO W6's...one was in Williamsburg, Virginia and the other near Fort Wayne, Indiana :)

As we all know, 80 meters has served up some phenomenal propagation this winter and we should all gobble up as much of it as we can.

See ya down there...Warblers Rule!

Of course, if you'd like a nice CW QSO on 3562.4 or thereabouts, me and my Meissner Signal Shifter, model EX, at FIVE WATTS out, will be happy to oblige.

And, what does Ellie, our English Springer Spaniel, think of all this?...well she's just lying there in my Lazy Boy...snoring away.

73-1,
Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 19 Feb 2001 22:59:13 -0500
From: Ed Kessler <edkess@epix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [92128] Looking for test equipment
Message-ID: <5.0.2.1.0.20010219225102.00a14220@mailhost.epix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I am looking for a good RF signal generator and an oscilloscope (at least 40MHz).

If any of the following interests you, we could consider a partial trade, or, if the price is right, I may consider simply buying the equipment.

MFJ Cub 40M with TICK 1 Installed.
Wilderness SST 40M with TICK 1 Installed.
624 15M QRP Transceiver, Like New.

Anyone interested?

73s
Ed AA3SJ

Date: Mon, 19 Feb 2001 16:21:20 -0600
From: Ken Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [92129] Full-Wave Loop Skywire

Message-ID: <20010219.215841.10854.3.n4so@juno.com>

The 1/4 wave matching transformer is an electrical 1/4 wave of 75 ohm coax cable, computed by dividing 246 by the operating frequency in Mhz, then multiplying that number by the velocity factor of the cable used. Assuming RG-59 is used, the length of the matching transformer is cut for 22 feet 9.5 inches. (The example shown in the ARRL Handbook is for 7.125 MHz.)

Chapter 5, page 5-20

ARRL ANTENNA Book/based on November 1985 QST by WOMHS

7.040-- length of wire loop 142.76 feet--
WITH THE LOOP BASED ON MAXIMUM ENCLOSED AREA.

7.040 --1/4 wave matching section of RG59 23.07 feet

50 ohm coax (mini-RG8?) feeds the matching section
with a union.

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 19 Feb 2001 20:12:18 -0800

From: "K7FD N7SG" <cqdx@teleport.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [92130] Re: Full-Wave Loop Skywire

Message-ID: <00ac01c09af3\$5538f360\$4e231ad8@N7SG>

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

And that matching section really brings the swr down to 1:1 at resonance...it works great.

John K7FD, happy 40m Loop owner (w/ RG11 matching section)

> The 1/4 wave matching transformer is an electrical
> 1/4 wave of 75 ohm coax cable, computed by dividing
> 246 by the operating frequency in Mhz, then multiplying
> that number by the velocity factor of the cable used.
> Assuming RG-59 is used, the length of the matching
> transformer is cut for 22 feet 9.5 inches. (The example
> shown in the ARRL Handbook is for 7.125 MHz.)

>
> Chapter 5, page 5-20
> ARRL ANTENNA Book/based on November 1985 QST by WOMHS

>
> 7.040-- length of wire loop 142.76 feet--
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>
> 7.040 --1/4 wave matching section of RG59 23.07 feet

>
> 50 ohm coax (mini-RG8?) feeds the matching section
> with a union.

>
>
>
> Ken Brown N4SO
> Mobile, AL EM50tk
> NorCal 20 at 5 watts
> 4 element mono. yagi
> Elecraft K1 #260

>
>
> -----
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>

Date: Mon, 19 Feb 2001 23:20:25 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-

canada@lists.gpfn.sk.ca>
Subject: [92131] Great Fox Hunt, Thanks All
Message-ID: <3A91F089.6D2F59BA@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well folk you made my last hunt of the season a great one. The most worked for me this season.

Looks like a total of 58 QSOs tonight, with the best one being Frank C02HA in Cuba, what a rush, he was running 3 watts out.

Again thanks to all who made this season a great one, I look forward to next years hunts, and will again be a Fox.

I will look for many of you during the Spring Bouquet where I will be handing out Trilliums. Till then all the best to you all.

72
Fred
VE3FAL
Thunder Bay, Ontario

Date: Tue, 20 Feb 2001 00:19:22 -0500
From: Ed Kessler <edkess@epix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Donald Philbin <donaldphilbin@hotmail.com>, "Eastern PA QRP Club" <epaqrp-1@Lehigh.EDU>, James Skalski <jskalski@bellatlantic.net>, Jim Kortge K8IQY <jokortge@prodigy.net>, "K9ut-aol.com" <K9ut@aol.com>, Larry Thomas <aa3px@intergrafix.net>, Wes Hayward <w7zoi@teleport.com>
Subject: [92132] Progressive Receiver Layout/Design
Message-ID: <5.0.2.1.0.20010220001411.009fb020@mailhost.epix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Always adding stuff to my webpage . . . and having fun with ham radio homebrew projects.

I've included some layout "suggestions" in the Progressive Receiver page, and will soon include a "construction advice from those who know more than I do" page.

For those interested . . .

<http://www.qsl.net/aa3sj/index.html>

73s es Happy Homebrewing

Ed AA3SJ

Date: Mon, 19 Feb 2001 23:59:07 -0600 (CST)
From: "Adrian Weiss" <aweiss@usd.edu>
To: John Burnley <burnleyia@home.com>
Cc: qrp-l@lehigh.edu, IaQRP-L@divis17.ped-gen.uiowa.edu
Subject: [92133] Re: Contest: ARRL DX Contest
Message-ID: <Pine.SOL.4.03.10102192348340.24019-100000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John:

Considering that you didn't get the IAQRP-10 until after the first day, what a great show for the antenna! Just shows that a heck of a lot of DX can be worked with an inside antenna that is marginal at best.

I worked 101/53 on 40m. 71/47 the first night, and only 30/6 the second night, which was really tough! Best ever 40m results though. I specialized on 40m and just took a loot at the high bands, worked a few with 500-800mw to the G5RV. Too easy.

Brought my 40m total up to 70 countries, so I must have worked about 20 or so new ones. It's great when propo is good!

> Subject: Contest: ARRL DX Contest
>
> What a hoot! The bands were in good condition and
> I got to have a little fun in between chores (hi). I've
> looked at some of the other posts (QRP-L) and an FB job
> to the WQ8RP boys as well as Jim 'Milliwatt' Hale's
> exploits (and others).

Boy, those WQ8RP results were stunning -- serious aluminum sure helps a lot! They did 208/80 on 40m if I recall correctly. Shows what location + serious aluminum can do. I lose 10dB minn. because of ground reflection on my path to EU. They don't. Then they get 6-8dB out of the serious aluminum at dizzying heights and low radiation angles. Boy, makes my mouth water.

>

> I ran an NC-20 and an IAQRP-10 into a shortened
> inductively loaded loop in the attic over my garage.
> I made many contacts on 20 and 10 with this
> antenna, but it really stunk on 15 (hi), so my
> MS-15 will have to wait until I get an antenna that is
> more effective on that band.

>

How are you feeding the loop? How long is the wire in it?
It should work on 15m as well as elsewhere.

> Mike Fitzgibbon (NOMF) really saved me as the IAQRP-10
> was delivered Saturday afternoon. The XYL didn't think
> the box was important so she didn't interrupt me until
> after 10 meters closed on Saturday (hi) when I took a break.

Did she know it contained a radio? Just wondering... :)
But that she wouldn't interrupt shows a great deal of
consideration on her part. Don't forget to follow up with
some special treatment!

72, Ade

>

>

> Here's the summary:

>

> Rigs: NC-20 5 watts 70 Khz tuning range
> IAQRP-10 3 watts 20-30 Khz tuning range
> Antenna: Fractal Wing Loop (shortened loop inductively
> loaded in attic over garage).

>

> Band:

>

> 20: QSO's 84 Countries 50
> 10: QSO's 39 Countries 30
> Total QSO's 123 Countries 80 (Unique countries 50)

>

> Q's of interest: 20 M: D68, EA8, EI, FS, MD, KH7, LU, OE,
> OH0, OZ, PY, UA0. 10M: JF1, KH6, LA, ZL.

>

> I hope others will post their results too. Operating QRP in a
> major DX contest is great fun! You can have success with
> monoband rigs and wire antennas. I think the next big one
> will be the WPX. Dust off those old kits and pull them off the
> shelf for some good ol' QRP fun! I hope to see you in the
> next contest.

>

> 72, John NU0V
>
>
>
>

Date: Tue, 20 Feb 2001 06:15:18
From: "Larry Wise" <lewise@txwises.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [92134] Re: RadioKit 2/01/01
Message-ID: <200102200615.AAA97752@aoot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Tim:

That sure was some heck of a debugging job!
Thanks for sharing you trials and tribulations with us....

Larry KA5T
Georgetown Texas

On Mon, 19 Feb 2001 16:39:16 -0500, Tim Sprouse wrote:

>February 01/2001
>From: Tim Sprouse
>All good things must come to an end, (whew, thank goodness,relief at last),

...

>PS; Thanks to all who were so generous in helping me with this project. Tim
>N4CNU
>

Date: Tue, 20 Feb 2001 00:15:15 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-L@lehigh.edu

Subject: [92135] Re: antenna advice

Message-ID: <5.0.2.1.0.20010219212739.024984f0@bbs.galilei.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Good evening fellow Cliffdwellers!

I ran attic doublets and end-fed wires of various types for eighteen straight years. I can tell you that many work okay and sometimes a little better than that. Ditto for wall-mounted bent doublets, rain gutters, roof flashing, aluminum door frames, window screens, tv antennas, miniature loops, et al.

You simply do the best you can with what is available. The alternative may be no antenna at all so non-traditional designs can suddenly look pretty attractive. Having said this, I am so tired of crawling around in confined spaces and fooling with antennas there its doubtful if I will ever install one again in an attic. But, you never know! <g>

Physical demands aside the other big-time reality of indoor antennas is attenuation. Quite simply, the bands open later and close earlier for the indoor operator. There is nothing much to be done about that. However, my own cheap and dirty solution is to find some way (any way) to get the wire outside.

If faced with antenna restrictions today I would attempt to lay a rubber coated wire doublet right below the ridge line of the roof on the backside of the house. Stretching it very tight to lower the profile and blend right into the shadow line of the ridge-cap shingles.

The rubber coating would match the shingles as closely as possible. And, I would be prepared to swap the wire out from time-to-time as ultra-violet light takes its toll. The same weathering reality applies to bare wire painted for concealment purposes.

My feedline would be twinax in spite of its non-stealthy appearance.. Painted to match the shingles or treated some other way to justify its existence to the curious.

I have tested the shielded twisted pair for many years and along with parallel coax runs have found nothing better for indoor applications. I also prefer it outdoors. Antennas fed with twinax tend to pick-up less vertically polarized man-made noise. That is important to me as I enjoy weak-signal work.

If the roof length is insufficient for a full-length radiator there are several options to consider. This is a abbreviated and generalized list.

1. Bring the wire ends down along the roof line to pick up the needed mechanical length. A inverted "U" configuration (viewed from above) works just fine and there are variations on that.
2. Install the radiators as a "W" or an "H" though this will probably lower the stealth characteristics of the antenna. With either variation the overall antenna height is reduced. Like option one it may bring the radiator closer to rain gutters, downspouts, turbines, chimney's/flues but such metallic problems are even worse in attic locations. Don't fixate on these conditions but don't ignore them either.
3. Another alternative is to pick up the same mechanical length by bringing the radiators below the original feedpoint in the G5RV tradition. Or, just feeding the doublet all the way with traditional balanced line like 300 or 450 ohm twinlead. For some operators there may be no real alternative to this for getting down on the low bands.

When we finally moved to a house in 1998 installing a roof-mounted doublet was one of my first antenna experiments. Even though there are no restrictions here I just had to find out how such an antenna would work. I had worked enough of these unusual antennas on the air and recalled the generally positive comments of the owners.

The roof peak of this two-story is at 30' and our location in the St. Louis area is fairly high to start with. The antenna did a pretty decent job or I wouldn't be telling you about it tonight. I like to think it was slightly "hotter" than a similar indoor design mounted immediately under it but cannot be absolutely certain. In conclusion, I have no doubts that the concept will adapt to a one-story home though probably with somewhat diminished performance given the differences in height.

Finally, my experiments last evolution involved bringing the radiators directly down from the original feedpoint to the edge of the roof. I terminated the wires on push pins and attached a twinlead feedline temporarily with alligator clips. For operators needing additional mechanical length or requiring a more stealthy feedline run this is a truly viable option. I had wanted to lay out the radiator as a tuned loop but could not due to safety concerns.

For those wanting (or forced) to try something indoors, my first homemade doublet (after a "slinky" was called the "Aluminum Cloud". The AC uses a reinforced aluminum kitchen foil radiator in either 12" or 18" widths. There is a lot of capture area (and capacitance) and I like to think the antenna hears well.

It is my first HF design and I wrote it up for 73 Magazine (September 1988). The antenna was described again here on QRP-L in mid-1999. Later, I expanded the article a bit for W1HUE for his column in QQ.

The old AC worked well for me. I got well-past DXCC with it running 50W from an Ten-Tec Argosy II. Then I did DXCC again on QRP. I suppose my favorite heroic is WAS QRP x QRP with the same antenna.

I milliwattted with the AC without absolutely no fear including QRP contests to get the big multiplier. The feedpoint was never higher than 28' and the doublet was very badly bent to fit into townhouse attics.

The point to be made here is yes you can do just fine with attic and/or indoor antennas. And, you still don't need a lot of power. But, it is necessary to accept the fact that you have to work with what is available. That usually isn't as good as a wire out in the sunlight.

I suppose using indoor antennas was not the problem for me as it is for some folks. That's because I started with attic wires right after I got my novice ticket. I had nothing to reference them against until I started running portable almost a year later. By then they were doing the job for me and I had gotten past the mental barrier.

I do hope this information is helpful to the original poster of this thread and to others faced with the same operating restrictions.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Tue, 20 Feb 2001 05:44:45 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [92136] Argo Fix
Message-ID: <Pine.LNX.4.31.0102200534200.817-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm getting all the kits I bought last fall installed. I had the crystal calibrator kit from VE??? on the desk getting in the way for

months. So I decided A: it should be in the Argonaut 509 and B: put it there.

Last week I pulled the front cover off and fixed the dial string problem and lubed the pto bearing with a drop of oil. Cleaned everything off (I was a pipe smoker 25 years ago). Using my other radio I calibrated things but it was not very accurate.

Now it's pretty good. I check the calibrator with WWV by setting on 21 MHz and then detuning the "Resonate" to 15 MHz. I'm using the 20 KHz output from the calibrator so I can find 7040 and 7041 very well now. The pto tunes smooth and stays where I set it. Life is good again.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 20 Feb 2001 05:54:55 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [92137] Sun's magnetic field flipped
Message-ID: <Pine.LNX.4.31.0102200552220.817-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you want to know what's going on put this in your web browser:

http://science.nasa.gov/headlines/y2001/ast15feb_1.htm?list78809

It's written for plain people to understand.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 20 Feb 2001 07:53:39 EST
From: K5BDZ@aol.com
To: david.gauding@bbs.galilei.com, qrp-l@lehigh.edu
Subject: [92138] NF0R's antenna advice
Message-ID: <71.ae401a3.27c3c2d3@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Dave Gauding's (NF0R) antenna contributions are well known and much appreciated by all of us.

Even in this antenna advice contribution, the "BOTTOM LINE" of Dave's story to all is as old as the ham radio hills, and it says,

"Don't just sit back and tell us "That antenna won't work"....BUILD IT, TRY IT, and THEN tell us all why it DOES work!!!"

And when you do build that crazy looking antenna thing that sings beyond the clouds tell us about it...like Dave did.

Thanks Dave
Bill K5BDZ

Date: Tue, 20 Feb 2001 08:08:01 -0500
From: "Brian" <bmurrey@amexol.net>
To: <flesnick@tbaytel.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92139] Re: Great Fox Hunt, Thanks All
Message-ID: <002801c09b3e\$275df300\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fred,

You were bombing into central Indiana! Nice job!

Thanks for the pelt!

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----
From: "Fred Lesnick" <flesnick@tbaytel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, February 19, 2001 11:20 PM
Subject: Great Fox Hunt, Thanks All

>
> Well folk you made my last hunt of the season a great one. The most
> worked for me this season.
> Looks like a total of 58 QSOs tonight, with the best one being Frank
> C02HA in Cuba, what a rush, he was running 3 watts out.
> Again thanks to all who made this season a great one, I look forward to
> next years hunts, and will again be a Fox.
> I will look for many of you during the Spring Bouquet where I will be
> handing out Trilliums. Till then all the best to you all.
>
> 72
> Fred
> VE3FAL
> Thunder Bay, Ontario
>

Date: Tue, 20 Feb 2001 08:04:11 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: K5BDZ@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [92140] Re: NF0R's antenna advice
Message-ID: <3A926B4B.4EBACD61@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill and DAve,

I know this will sound like another old f**t telling how he walked to school 30 miles each day and uphill lboth ways, but I can't resist commenting!

For the first 30 years, give or take one or two, there was no internet. Those of us who practiced amateur radio had only three sources for technical knowledge. The club, our reading, and those who we contacted. By necessity we had to try everything we used and make an evaluation about whether it worked or not! I don't think any of us felt any shame at trying things that did not meet our expectations. Instead we worked on them until we either got them working the way we thought they should or finally abandoned them as not working.

I think the presence of the internet has created a group of hams who are not technically aware enough to evaluate the things they build. So they ask their 1000 closest friends whether or not they have had any experience! Not the best way to do things from my point of view. I know kits and parts are expensive. However proportionally they aren't much more today than they were 30 years ago. This is not a cheap hobby!

One other thing I have seen in 45 some years as a ham. There are fewer technical articles for beginners. In 1958 there was an average of two or three articles in every issue of QST specifically for the beginner! These were how we learned, by building one or two of these each year.

I congratulate Dave for his perseverance with his antennas. Done like a true ham of old. Get the idea, build it, refine it, and then do it again! This is exactly the same approach I used with my Stealth antenna (QST, June 1995). If you wait until your 1000 closest friends respond on how the kit or idea works, you are missing out on the best part of ham radio. Try it and learn from what you have done!

73

Date: Tue, 20 Feb 2001 06:53:25 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [92141] ARRL DX Contest
Message-ID: <Pine.LNX.4.31.0102200637090.930-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thinking that since I worked Europe and the far East on the CW portion of the contest on 40 meters QRP, why not do it again on the phone part? According to NASA we are at the sunspot maximum so QRP should work fine on ssb.

The phone part starts on March 3 at 0000 UTC and ends March 4 at 2400 UTC 24 hours. Send your rst and state. Work as many countries as possible. Don't forget USA and Canada; they are countries.

I plan to buy a mike for my Ten Tec Argonaut. I had one 25 years ago but it got lost.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 20 Feb 2001 09:07:20 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: kandrparker@sympatico.ca, qrp-1@Lehigh.EDU
Subject: [92142] Re: Newbie PSK-31 Question
Message-ID: <20010220.090844.-69243.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Very true, optic isolators
can protect both ends (level & state wise) and
('may') break ground loops but
I doubt they (optical isolators) are less complex or
less expensive then open collector circuits (regardless of the fact,
no power supply is required for open collectors).

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 20 Feb 2001 07:52:34 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [92143] Fw: Re: NF0R's antenna advice
Message-ID: <20010220.075235.-495947.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

First, thanks to Dave and all of the others that do post their
info of their experiments to the list - all is interesting and
some very useful.

Secondly, and I think, important. Bruce you have written an

excellent evaluation/observation of then and now, and oh so true. I hope that you might consider putting those comments on your Members Only column, and maybe even as an OP ED note in QST itself for the whole membership to see.

Thanks for posting and

73

Ray

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111

NCT2 (also w5xe@juno.com El Paso, (FAR WEST) TEXAS

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 20 Feb 2001 09:56:07 EST

From: K9ut@aol.com

To: qrp-l@lehigh.edu

Cc: K9ut@aol.com

Subject: [92144] (no subject)

Message-ID: <f9.77851b4.27c3df87@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

F S TenTec 1340 40M QRP CW XCVR w Manual \$85 shipped!

Date: Tue, 20 Feb 2001 10:07:47 EST

From: N10DL@aol.com

To: qrp-l@lehigh.edu

Subject: [92145] Re: Great Fox Hunt, Thanks All

Message-ID: <fd.291c435.27c3e243@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Thanks for the FUN time Fred, I was not sure you were going to hear me last

night. there was lots of QRN on the band last night. I had Mac (AF4PS) and Mike (WB8ICN) helping me pinpoint your listening freq for me. Turns out niether of them heard me get you....go figure....Am real glad I was able to get into your last HUNT of the season.

Aron

N120DL/qrp

Bedford, NH

K2 at 4 watts into a R7 in the woods

Date: Tue, 20 Feb 2001 07:23:49 -0800 (PST)

From: Jeff <fantbb@yahoo.com>

To: qrp qrp <qrp-l@lehigh.edu>

Subject: [92146] Re: ARRL DX Test

Message-ID: <20010220152349.57770.qmail@web10005.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

--- Brian <bmmurray@amexol.net> wrote:

> > Most of the CW speeds were reasonable and I could copy them fairly

> > easily. Some of those op's were deaf though. It seemed that they

> sent

> > their call over and over and didn't work anyone for long stretches.

> > Maybe they should have took time to listen?

>

> I think that maybe, especially in crowded areas, the ops had their

> narrowest

> filters engaged. The fox hunts helped me tremendously. I would listen

> more

> to the station they were WORKING and then move up or down to that

> freq and

> then send my call. Worked about 98% of the time.

I moved my signal down to where I heard the guy they were working. Tried to zero beat right on top of them. Just seemed that they didn't wait long enough in between calling. There were only a couple that were like that. Makes me wonder if how they finish in the standings.

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail - only \$35
a year! <http://personal.mail.yahoo.com/>

Date: Tue, 20 Feb 2001 10:32:46 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92147] RE: antenna advice
Message-ID: <GCECIJFJPOHMCKACOA0BEEKPCDAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Harold -- KE6TI:

Last year I worked 123 countries while running 5 watts or less (worked
Namibia on 800 mw) with a 10/15/20m fan wire dipole stapled to the rafters
of my attic. The fan dipole is fed with coax with a coax choke at the
common feed point. Worked 50 countries on it this weekend.

So I'd guess attic antennas are OK. Like the other folks have said, do the
best you can and see how it works. (Of course I wouldn't turn down an 80'
tower with phased and stacked beams -- but can't do that here :-().

73,

Jake - N4UY
Vienna, VA
(Wash DC suburbs)

Date: Tue, 20 Feb 2001 10:20:22 -0500
From: ed.kwik@delphiauto.com
To: qrp-1@Lehigh.EDU
Subject: [92148] Michigan QRP Net
Message-ID: <052569F9.00549F2F.00@usabhmg99.mail.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Need a nice relaxing break from all of the contesting? Check into the MI QRP net tonight and brag about you score to your fellow QRPers. The prorogation predictions look good for 80 meters. The Michigan QRP net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome. It is an informal net and you will not be asked to pass any traffic. It is just QRPers chatting. So try loading up those attic dipoles on 80 and give it a try.

When you hear QNI? K, send your call. When you hear YOUR CALL AS, that means standby and let other stations check in. That's all there is to it.

Ed AB8DF

Date: Tue, 20 Feb 2001 10:42:06 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [92149] New pictures of Tuna Tin/Amp combo, de N4UY
Message-ID: <GCECIJFJPOHMCKACOA0BOEKPCDAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I put a couple new pictures of my manhattan style Tuna Tin and 2N2222 amp on my web page.

The URL is: <http://pweb.netcom.com/~jakecart/TT-Amp.htm>

The two switches at the front left of the rig (the blue switch and the black one to the left of it) switch 4 NP0 caps in (or out of) series with the crystal -- providing 6 frequencies between 7.040.5 Mhz and 7.042.7 MHz. The rig will put out 1.25 nice clean watts (the TT is filtered and the amp is also filtered) but I hold it down to 900 mw to keep it interesting.

73,

Jake - N4UY
Vienna, VA
(Wash DC suburbs)

Date: Tue, 20 Feb 2001 11:14:02 -0500

From: "George Goodroe" <goodroe@worldnet.att.net>
To: "'QRP-L post \ (E-mail\)' " <QRP-L@lehigh.edu>
Subject: [92150] FS : various stuff (spring cleaning)
Message-ID: <4921D6AF1F7BD31184EF00E018C1A351011403@GEM01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yaesu FT50R - FM dual band HT with:
Yaesu E-DC-5B 12 volt cigarette adapter
Yaesu MH-34 speaker mike
Yaesu FNB-42 9.6V 1100 mAh battery
Maha MH-FNB-41 9.6V 900 mAh battery
Windows ADMS cable
headset
PL259 adapter
Yaesu rubber bumper case
Maldol active hunter slim antenna
original rubber duck antenna
Yaesu speaker mike adapter for Kenwood/Radio shack mikes
SORRY...no manual or battery charger both available through Yaesu.....\$225

Bencher Iambic paddle with Bencher plastic cover - \$65
MFJ - Econo Keyer II \$25

Analog Shack clock (s) - 3 separate analog quartz clocks for 3 time zones
mounted horizontally in a
solid block of Ash, sits on desk, \$25

Contact KF4CPJ George - 1-888-366-9935 x122 or goodroe@worldnet.att.net
PS...I can accept VISA through PayPal

Date: Tue, 20 Feb 2001 11:30:54 -0500
From: "Lazaro Munoz" <laz@panix.com>
To: <qrp-l@Lehigh.EDU>
Subject: [92151] An antenna question...
Message-ID: <NBEFIABNKOGMOOLBLCFDIEDGCBAA.laz@panix.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

Later this year I am planning to set up some antenni at the QTH. I want to set up a tri-band (10,15,20) yagi as well as a six meter yagi. I am curious as to the distance between the elements (vertically) that should be adhered to. They will be in the horizontal position and I will not need any vertical rf (very few sats pass my azimuth, hihi) so I am not so much worried about the pattern in that direction but I of course I would like preserve the forward pattern as much as possible with minimal distancing (20m is seperation is way to much).

If anybody is set up similarly or having a good working knowlege of stacking, I would appreciate your comments.

73s

-laz -- K2LAZ

Date: Tue, 20 Feb 2001 08:31:21 -0800
From: "Tom Scott" <tomrscott@sterlink.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [92152] =?iso-8859-1?Q?FW:_URGENT_-
Agilent_=93Learn_RF_Power_Measurement_Basics=94?=
Message-ID: <000001c09b5a\$914a4720\$77e06cc7@mhl70164>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This may be of interest to some folks here.

I really have no affiliation with these folks, other than being registered there, and haven't seen this online seminar, but it sounds like it may be quite interesting.

Agilent, for those who haven't kept up with the corporate comings and goings, is the component and test equipment divisions that were formerly part of HP (Hewlett Packard).

You should be able to follow the link and sign up to get your own login and password, I believe it is open to the public but requires that register ahead of time and get the software set up. Sounds like they've had so much demand that they've opened an additional session. The likelihood is that they will repeat it again for those who can't make this one, leave them an email and let them know if you're interested. If you're not already signed

visit the NetSeminar archives where this event will be posted within 72 hours after airing.

Date: Tue, 20 Feb 2001 10:38:35 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [92153] Re: NF0R's antenna advice
Message-ID: <009501c09b5b\$9275d960\$629b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave Gauding was one of the guest speakers at last years ArkieCon. Some of the attendees that are on this list have never operated because of all the gloom and doom from the self proclaimed experts that preach you must have to have the everything textbook perfect before you operate. After Dave's talk several of them went right home and were on the air the next day from their apartment, dorm, kitchen table, etc. Sure was neat to hear their excitement from what they thought was an impossible situation. If you have never meet Dave or heard him speak you have missed out big time. One of the neatest QRPers besides Jim Cates I have ever meet!!

73 de w5jay..

Date: Tue, 20 Feb 2001 11:21:57 -0600
From: Paul Dryer <psdryer@ticnet.com>
To: w5jay@alltel.net, "Discussion, Low Power Amateur Radio" <qrp-1@Lehigh.EDU>
Subject: [92154] Re: NF0R's antenna advice
Message-ID: <3A92A7B4.ECD68A7C@ticnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How true!! Getting hung up on perfect matches, lowest VSWR, yada yada, keeps lots of folks off the air. But, to the rescue comes QRP operation! Doing more with less tends to shoot down many of the fears. Much of what the "self proclaimed experts" preach, simply doesn't matter in the real world. Make contacts!

Paul
kd5ivp

Jay Bromley wrote:

> Dave Gauding was one of the guest speakers at last years ArkieCon. Some of
> the attendees that are on this list have never operated because of all the
> gloom and doom from the self proclaimed experts that preach you must have to
> have the everything textbook perfect before you operate. After Dave's talk
> several of them went right home and were on the air the next day from their
> apartment, dorm, kitchen table, etc. Sure was neat to hear their excitement
> from what they thought was an impossible situation. If you have never meet
> Dave or heard him speak you have missed out big time. One of the neatest
> QRPers besides Jim Cates I have ever meet!!
>
> 73 de w5jay..

Date: Tue, 20 Feb 2001 12:48:44 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [92155] Holiday Milliwatt contest - Results
Message-ID: <3A92ADFC.52011BA8@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

For the past several years the Knightlites have sponsored a milliwatt
contest during the week between Christmas and New Years. It's
intended to be mostly a fun contest.

The scoring is based in part on how many Club stations are contacted,
and there has been a multiplier based on the contacts first name. In
other words, winning depends on luck, as well as making a lot of
contacts. (the more contacts, the luckier you get!) :-)

This year, as usual, the participants list read like a "Who's Who" of
the QRP-L guys plus some well known lurkers like Wes Hayward, W7ZOI,
and Brice Anderson, W9PNE. I've been fortunate enough to be involved
with the contest most years, and it is always a pleasure to review the
logs.

Club participation this year was great. QRPers put at least 6 club

calls on the air, giving out bonus points. Some entrants unselfishly used part of their time with the club call and part with their own call. (What a group of guys!!)

The winners will receive certificates.

Club Category:

NQ9RP, operated by Jerry Scherkenbach, N9AW. NQ9RP ran away with it, making 27 contacts one evening!

Individual Category:

1st: N4ROA, Dan Wolfe

2nd: W3BB0, Robert Reisenweber

3rd: NF0R, Dave Gauding

Many thanks to all who participated.

--

73,

Bob Kellogg, AE4IC, Greensboro, NC

Prolobly, not nececelery. - Benny Hill

Date: Tue, 20 Feb 2001 12:59:54 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: psdryer@ticnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [92156] Re: NF0R's antenna advice
Message-ID: <3A92B09A.28608173@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

I have no doubt that Dave is an excellent speaker. Anyone who has devoted himself to antenna construction and optimization for 20 years must know a whole lot about what works, what does not work, and why. But QRP does not come to the rescue in any case. QRP is low power radio, these days 5 watts or less, 20 years ago 100 watts or less. Running QRP it is all the more important to get as close to a perfect match and reduce other external losses. 20 years ago we had adjustable pi-network outputs that were much easier to adjust than a low pass filter followed by an antenna tuner!

Date: Tue, 20 Feb 2001 19:20:04 +0100
 From: mike.mhe@t-online.de (Michael Haugrund)
 To: hq@arrl.org, peter@barville.freeseerve.co.uk, lz1fw@nettaxi.com, k1ar@cq-amateur-radio.com, crklub@mbox.vol.cz, g3rjv@gqrp.com, GQRP@onelist.com, hrs@hztk.tel.hr, qrp-l@lehigh.edu, zyg@morsum.demon.co.uk, hqpzk@pzk.org.pl, ve2zp@lynx.ve3jf.ampr.org
 Subject: [92157] Rigs used in the 9th O-QRP Contest
 Message-ID: <14VH00-1058F6C@fwd00.sul.t-online.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1
 Content-Transfer-Encoding: 8BIT

QRP-CONTEST-COMMUNITY (qrpcc)
 c/o Dr.Hartmut Weber, DJ7ST@DB0ABZ

17-Feb-01

Dear contestants

in the 9th ORIGINAL-QRP-CONTEST (30/31-Dec-2000)
 the following rigs have been used:

15x QRP+	HB TRX IF 4,2 MHz, PA 2xBD139
11x Elecraft K2	HB TRX IF 9 MHz, PA KF507
11x Sierra	HB TRX PA 2N3553
10x HW-9	HB TRX, IF 6,7 MHz, 150mW
7x FT-7	HB TRX, PA VN88AF (SPRAT 98/99)
6x Argonaut 509	HB TRX, 0.9 W
6x Mini (DL9RM design)	HB TRX, 20 W
6x QRP 14	HB TRX, IF 4,4 MHz, PA 2SC1678
6x TS-120 V	HB TRX, IF 5 MHz, PA 2N3553
5x FT-707 (QRP-Version)	HB TRX, IF 9 MHz, 160-10m
4x ELBC (DJ3KK)	HB TRX, PA BD 137
4x HW-8	HB TRX, PA EL84
4x NorCal 40A	HB TRX, PA KU601
4x TS-130V	HB TRX, SA 602 in RX, PA 2N3866
3x Argonaut 505	HB TTL-TX: 7400 IC + 2N3866 PA
3x Argonaut II	HB TX + DL-QRP-PA
3x Elecraft K1	HB TX own des., PA SC1969
3x MFJ-9020	HB TX, 5W ; HB TX, 8W
3x QRP-3 (DL5JYN)	HB TX, PA 2N5335
2x Argonaut 515	HB TX, PA BD135
2x Efir-M	HB TX, PA BD137
2x FT-301 (QRP-Version)	HB TX, PA EL83

2x HW-7	HB TX, PA IRF 510
2x OHR QRP Spirit	HB UA1FA des., PA KT606(~EL180)
2x Oner	HB VFO-BA-PA (EL83)
- - - - -	HB VFO-FD-FD-PA, 20W (RL12P35)
1x:	HB VX0
Argo 556	HB VX0, 2 trans.
Bartek, PA IRF 530	HB VX0-DR-PA (VN66AF)
Black Forest PA 2x2SC1971	HB VX0-PA (2N2222-2N2219)
Digital 942 (Poland, 3W)	HB VX0-PA (EF13-EF14), 400 mW
FT-77S	HB, 1w , PA 2N3553
GQ40	Malta
Hari T20P	MFJ-945E
Hari T80P	Micro-Lu
Hari TX80-1	Military TRX 2-12 MHz
HB "Optimized QRP-TRX"	Mizuho MX 20
HB , PA 2SC1307, 4W	NorCal 20
HB 1 tube TX (EL84)	NorCal, ugly consstruction
HB 1 tube TX (RL12P10)	OHR Classic
HB CMOS VX0-PA (HEF 4001-VN66AF	QRP 20
HB Datel (QRP Handbook 1993)	QRP Explorer
HB DL0BS-TX (CQ-DL 1973)	Ramsey QRP-40
HB ECO-PA(EF80-EL83), RPB 1967	RX ZVP HB adapted to TRX
HB FOXX2	SEG 15D
HB monoband TRX, PA KT9036	SG2020
HB QRP SSB/CW-TRX, PA BSY34	SST40
HB TRX (2N3553)	Sugiyama F 850
HB TRX (AFE 12), PA 2xSD338	SW 20 (Small Wonder Labs.)
HB TRX (Y27NN des., PA KT920)	Ten-Tec 1340
HB TRX 160-30m, PA KT922B	TRX 2W
HB TRX 9 MHz IF, PA 2xKT922A	TRX M160 + 20m transverter
HB TRX 9 MHz-method, 80/20m	TRX M80
HB TRX based on Sony SW100	Zennor (DF4SQ, CQ-DL 5/87)

- - - - -

We expected the K2 in top position this time. But it still is sharing the second place still behind the leading QRP+ with the Sierra, which has been the most used "real" QRP rig, just in front of the HW-9. The HW-8 dropped back. But the "methusalem" HW-7 had a double entry, which could not be managed by many of those new monobanders like Ten-Tec 1340 etc., which often appears in advertising and articles but not so often on the air.

A consequence of the present dollars exchange rate ? This might also be the reason for the succes of the "german creatives" like DL9QM ("Mini"), the QRP-14 crew from Ulm, DJ3KK with his ELBCs and DL5JYN with the QRP-3.

Again the different "Argonauts" are making clear the contribution and merits of Ten-Tec to QRP.

And the species HB = homebrewing in its variety is alive as before.
Three cheers!

73/2 "Hal", DJ7ST

(mailing done by DF20K@DARC.DE)

Date: Tue, 20 Feb 2001 13:22:47 EST
From: Edgerhardt@aol.com
To: w6toy@erols.com, qrp-1@lehigh.edu
Subject: [92158] Re: NF0R's antenna advice
Message-ID: <b7.ba02fd7.27c40ff7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

While I agree with you in that we QRPers need to be optimizers, particularly in the antenna realm, I also agree with Dave in that much of the current literature and the current common wisdom regarding QRP and antennas is overly pessimistic. Those of us who must operate with compromise antennas need to keep on plugging away.

My 67 foot random wire up 20 feet tuned by a ZM-2 is an example of this. When I got started in QRP, everyone told me that without a gain antenna one should forget about QRP. These "experts" would sneeze at attic antennas or the 30 guage wire I am using. The common wisdom would be..."Don't bother, you'll never get out." Sadly, many of us don't bother. Last weekend I was able to work Sweden and Germany on 80 meters with this compromise during the contest, running 1.5 watts out of my HW-8. I did not get many contacts in my casual and limited operating, but each one amazed me.....it was FUN.

Now, I am going to extend it to the roof of the building, about 80 feet high, running about 200 feet out. Let's see what happens. I plan to take your advice about optimizing matches, minimizing losses etc. and take Dave's advice about not being too bound by orthodoxy.

72 to all
Ed
N4EJG

In a message dated 2/20/01 13:07:31 PM Eastern Standard Time, w6toy@erols.com writes:

<<

Paul,

I have no doubt that Dave is an excellent speaker. Anyone who has devoted himself to antenna construction and optimization for 20 years must know a whole lot about what works, what does not work, and why. But QRP does not come to the rescue in any case. QRP is low power radio, these days 5 watts or less, 20 years ago 100 watts or less. Running QRP it is all the more important to get as close to a perfect match and reduce other external losses. 20 years ago we had adjustable pi-network outputs that were much easier to adjust than a low pass filter followed by an antenna tuner!

73

----- Headers -----

Return-Path: <owner-qrp-l@Lehigh.EDU>
Received: from rly-xd03.mx.aol.com (rly-xd03.mail.aol.com [172.20.105.168])
by air-xd05.mail.aol.com (v77_r1.21) with ESMTP; Tue, 20 Feb 2001 13:07:31
-0500
Received: from astro.CC.Lehigh.EDU (astro.cc.lehigh.edu [128.180.39.2]) by
rly-xd03.mx.aol.com (v77_r1.21) with ESMTP; Tue, 20 Feb 2001 13:06:54 -0500
Received: from localhost ([127.0.0.1]:38916 "HELO astro.CC.Lehigh.EDU") by
astro.CC.Lehigh.EDU with SMTP id <78574-1672>; Tue, 20 Feb 2001 13:06:14 -0500
Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:39911 "EHLO
nss4.cc.lehigh.edu") by astro.CC.Lehigh.EDU with ESMTP id <78569-1670>; Tue,
20 Feb 2001 13:05:53 -0500
Received: from smtp01.mrf.mail.rcn.net (smtp01.mrf.mail.rcn.net
[207.172.4.60])
by nss4.cc.lehigh.edu (8.11.2/8.11.1) with ESMTP id f1KI5pN234770
for <qrp-l@lehigh.edu>; Tue, 20 Feb 2001 13:05:51 -0500
Received: from 66-44-3-235.s997.apx1.lnh.md.dialup.rcn.com ([66.44.3.235]
helo=erols.com)
by smtp01.mrf.mail.rcn.net with esmtp (Exim 3.16 #5)
id 14VHAd-0002ah-00 ; Tue, 20 Feb 2001 13:05:52 -0500
Message-Id: <3A92B09A.28608173@erols.com>
Date: Tue, 20 Feb 2001 12:59:54 -0500
Reply-To: w6 >>

Date: Mon, 19 Feb 2001 13:41:37 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <qrp-l@Lehigh.EDU>, "John R Kirby" <n3aaz-qrp@juno.com>
Subject: [92159] Re: Newbie PSK-31 Question
Message-ID: <003201c09aa3\$97850d80\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

True and a valid point!
Just giving another avenue!
The only fear is having a BE short but doubt that will happen unless the design was poor. I however always use Optic Isolators for the extra insurance in all my I/O projects.

Take Care,
Robert
VE3RPF

----- Original Message -----
From: "John R Kirby" <n3aaz-qrp@juno.com>
To: <kandrparker@sympatico.ca>; <qrp-1@Lehigh.EDU>
Sent: Tuesday, February 20, 2001 9:07 AM
Subject: Re: Newbie PSK-31 Question

>
> Very true, optic isolators
> can protect both ends (level & state wise) and
> ('may') break ground loops but
> I doubt they (optical isolators) are less complex or
> less expensive then open collector circuits (regardless of the fact,
> no power supply is required for open collectors).
>
> John
> N3AAZ
> FM 19 xa
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Tue, 20 Feb 2001 13:33:22 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: w5xe@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [92160] Re: NF0R's antenna advice
Message-ID: <3A92B872.613A0F1A@nr.infi.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave and Bruce,

Bruce's comments remind me of the time I was working on a broadband wire antenna. I took the ideas from an article in the handbook which had used a tower for the vertical element and two counterpoises in a sort of "V" configuration 8 or 10 feet off of the ground. I was trying to build an antenna that would cover most of the 40M band with SWR less than 1.2 or so.

To make the long story short, I measured SWR and pruned the thing, changed the angle of the "V", lengthened/shortened the vertical section, etc., etc., all of the time keeping careful records of my SWR measurements. Finally, I got the thing where it was, indeed, broad banded.

I bragged about it on the air, calling it a broad-band sloper during contacts, and had guys asking me for copies of the design.

Then, one day I put up another antenna, a G5RV, for comparison. My broad-band sloper was deaf! There was a ****very noticeable**** difference between the antennas. I was running 100 watts in those days, and had created a wire dummy load!! (It took a lot of careful study, too!)

That's when I quit worrying about SWR. :-)

--

73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Tue, 20 Feb 2001 13:51:16 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Hans Summers <HansSummers@HotMail.Com>
Cc: GQRP@yahooogroups.com, QRP List <qrp-l@Lehigh.EDU>
Subject: [92161] Re: [GQRP] Future of home construction
Message-ID: <Pine.BSF.4.21.0102201325350.7049-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bravo, What a good tip. I did something similar a few years back, but not

a 28 Pin. Although I did also Repair a large Clock Chip with similar technique.

I made my Miniature PCB Module with a Piece of Thin PCB material. Don't know the thickness or where I got it, but it was about half the thickness of the normal PCB stock.

I Mounted two Wire Wrap Machined dip sockets on a wooden board. I think I had a bit of .1 space perf board to use as a drilling guide for the holes in the block of wood, then pressed my Machined sockets into it to hold it in place.

This became my work station base. Actually I was planning to make my own Custom Breadboard for Miniature Component Modules. An inspiration from the Articles by Doug DeMaw, W1FB (SK).

After making the Base, I carefully Drilled holes in the thin PCB to match the holes in the Machined socket. You have a choice of Etching a Miniature PCB, (Professional Model) or just Mark the lines between the holes and file or grind away the copper foil. leaving two rows of Long PCB Pads with holes for the Pins. Believe it or not they actually make pins that you can buy, but I just used Scrap Component Leads. When you make a kit or project using NEW Components, you always have lots of clipped off leads.

You do save them, don't you ? :^)

Just push them thru the Hole into the machined Socket and bend down a 1/8" end and solder in place. You can just solder it and trim the excess if you like, but I was thinking in the case of your situation, you could carefully measure and place it so as to form the connection to the SMD Chip held with super glue on the pcb.

The most important part is to use Skinny Solder and not too much. We don't want it "Wicking Down the Legs into the Dip Socket". I haven't thought about it before, but some lubricant in the socket holes might keep the solder from sticking to the socket. You would have to add an Alcohol Cleaning Step to the process.

I believe you may be able to purchase ready made SMD to Leaded Adapters, but not nearly as much fun as making your own.

Besides, Think of the Money we are saving. :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301)572-6789 Ofc. & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Tue, 20 Feb 2001, Hans Summers wrote:

>
> Hello
>
> I connected a 28-pin SMT memory chip by cutting a piece of 0.1-inch plain
> matrix board, in the size and shape of a standard 28-pin 0.1-inch pitch DIL
> package. I superglued the SMT chip to the centre of the matrix board, made
> "pins" along the edges of the board using 0.6mm wire, and carefully soldered
> connections to the tiny SMT pins. The result can then be inserted in a
> standard 28-pin DIL socket (Picture:
> <http://www.hanssummers.com/computers/newz80/z80.htm>) It took 4 hours and I'm
> not sure I'd do it again...
>
> Hans G0UPL
>
> -----
> <http://www.HansSummers.Com>
>
> === Via the mailing list of the GQRP Club <http://www.gqrp.com> ===
>

Date: Tue, 20 Feb 2001 13:24:29 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'ae4ic@nr.infi.net'" <ae4ic@nr.infi.net>, Low Power Amateur Radio Discussion
<qrp-l@lehigh.edu>
Subject: [92162] RE: NF0R's antenna advice
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA01303402@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Like you, Bob, I discovered early-on that nearly all "air-cooled dummy
loads"
are broadband! That's why the infamous "MaxComm" antenna, with its
"mystery box" at the feedpoint "worked" so well -- an air-cooled dummy load!

Frankly, I consider my Cushcraft R-7V to be in that class, but for some reason,
it DOES seem to radiate and work the DX on every band I've tried it. I'm still planning on putting up monoband verticals for 40M and 30M, however, with a proper ground screen. I expect I'll achieve far better results than the R-7, but they won't be multi-band.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: Bob Kellogg [SMTP:ae4ic@nr.infi.net]

> Sent: Tuesday, February 20, 2001 12:33 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: NF0R's antenna advice

>

> Dave and Bruce,

>

> Bruce's comments remind me of the time I was working on a broadband
> wire antenna. I took the ideas from an article in the handbook which
> had used a tower for the vertical element and two counterpoises in a
> sort of "V" configuration 8 or 10 feet off of the ground. I was
> trying to build an antenna that would cover most of the 40M band with
> SWR less than 1.2 or so.

>

> To make the long story short, I measured SWR and pruned the thing,
> changed the angle of the "V", lengthened/shortened the vertical
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> measurements. Finally, I got the thing where it was, indeed, broad
> banded.

>

> I bragged about it on the air, calling it a broad-band sloper during
> contacts, and had guys asking me for copies of the design.

>

> Then, one day I put up another antenna, a G5RV, for comparison. My
> broad-band sloper was deaf! There was a **very noticeable**
> difference between the antennas. I was running 100 watts in those
> days, and had created a wire dummy load!! (It took a lot of careful
> study, too!)

>

> That's when I quit worrying about SWR. :-)

>

> --

> 73,

> Bob Kellogg, AE4IC, Greensboro, NC

> Prolobly, not nececelery. - Benny Hill

Date: Tue, 20 Feb 2001 14:32:00 -0500
From: "Bob Duckworth" <wb4mnf@atl.org>
To: <kd1jv@moose.ncia.net>, <qrp-l@Lehigh.EDU>
Subject: [92163] Re: Q Dope
Message-ID: <200102201931.0AA02427@hat-trick.atl.org>

Steven-

I use bees wax. No where near as messy as paraffin wax.
Ace hardware. AFAIK the least expensive way to purchase
bees wax is in the form of a toilet bowl flange seal :-)

-bob

| From: Steven Weber <kd1jv@moose.ncia.net> |
| Of course, simply using some clear nail polish will do the job too. I
| often melt wax over the toriods, using a hair dryer, but that can be
| messy.

Date: Tue, 20 Feb 2001 11:33:16 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [92164] Re: NF0R's antenna advice
Message-ID: <20010220193316.3276.qmail@web10008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Paul Dryer <psdryer@ticnet.com> wrote:
> How true!! Getting hung up on perfect matches, lowest VSWR, yada
> yada,
> keeps lots of folks off the air. But, to the rescue comes QRP
> operation!

Make the antenna, put it up and make contacts. Then go look at various
antenna books to find out why it shouldn't work! ;-)

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

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a year! <http://personal.mail.yahoo.com/>

Date: Tue, 20 Feb 2001 08:01:55 -0600

From: Ken Brown <n4so@juno.com>

To: qrp-l@lehigh.edu

Subject: [92165] D68C Comoros Island/QST mag.

Message-ID: <20010220.133213.16406.0.n4so@juno.com>

Federal Islamic Republic of the Comoros
D68C

Info on the operators of D68C is on pages
103-104 of February 2001 QST magazine. Operators are
British, Russian, Japanese, American with a few others
mixed in. About 27 callsigns represented as operators
on the island.

Wrapup on Monday February 26, according to the
article by W3UR.

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 20 Feb 2001 19:46:18

From: "Leon Heller" <leon_heller@hotmail.com>

To: k3tks@u1.abs.net, qrp-l@Lehigh.EDU

Subject: [92166] Re: [GQRP] Future of home construction
Message-ID: <F214SRRseCaa23tt4LQ0000a9a1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Bravo, What a good tip. I did something similar a few years back, but not
>a 28 Pin. Although I did also Repair a large Clock Chip with similar
>technique.

>

>I made my Miniature PCB Module with a Piece of Thin PCB material. Don't
>know the thickness or where I got it, but it was about half the thickness
>of the normal PCB stock.

[deleted]

You can probably scrounge a few offcuts from your local PCB manufacturer, if
you have one. They use the thin stuff (0.8 mm) for multi-layer boards. I got
some this way. Admittedly, they also make PCBs for me for work, which
probably helped. 8-)

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058
Email:leon_heller@hotmail.com My web page:
http://www.geocities.com/leon_heller IRISYS Ltd: <http://www.irisys.co.uk>

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Date: Tue, 20 Feb 2001 14:48:36 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: tentec@qth.net, qrp-1@lehigh.edu
Subject: [92167] Re: Manual for Argo II
Message-ID: <XFMail.010220144836.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Just wanted to thank all who replied. At the suggestion of several, I contacted Ten-Tec, and was able to order a manual for my Argo 535.

John W2AGN

Date: Tue, 20 Feb 2001 11:48:26 -0800
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [92168] Re: AL7FS ALASKA QRP LUNCH DEAL OF THE YEAR
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76B61@hq-expo2.filenet.com>

You guys should take Jim up on this. He is a man of his word -- plus an exceedingly fine ham to boot.

I had the pleasure of buying Jim's 706 from him on eBay for my son, W3WHP. He was cordial, prompt, the rig was immaculate, and works great! If he "does lunch" (as we say down here in SoCal) like he does business, I might be dropping in on him just for the pleasure of an eyeball..

..you'll probably have to fight over the check with me though, Jim!

72/73

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Tue, 20 Feb 2001 20:11:28
From: "Bruce Prior" <n7rr@hotmail.com>
To: unlisted-recipients;; (no To-header on input)
Subject: [92169] CQ Review of FT-817
Message-ID: <F1616uPDVniSnRMWuLn00009b9e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The April issue of CQ Amateur Radio magazine features an 8-page spread, including my comprehensive review, on the Yaesu FT-817 transceiver. The magazine should be on newsstands by mid-March.

73, Bruce Prior N7RR

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Tue, 20 Feb 2001 15:24:45 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-1@lehigh.edu
Subject: [92170] D68C
Message-ID: <XFMail.010220152445.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Really wanted to get him on 30M CW. I have heard him there several nights, but no luck. Just worked him on SSB with the trusty K2, (2017Z) on 18145 listening 18150. Maybe I'll get him on 30M later.

John W2AGN

Date: Tue, 20 Feb 2001 20:31:54 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: qrp-1@lehigh.edu
Subject: [92171] K1 #497 is Alive and Well
Message-ID: <5.0.2.1.0.20010220201834.009eaec0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I started some pics on the web page of the building of this K1.

Then I went back to the IA QRP-10A when some parts were missing from the K1 and I got some mods to the QRP-10 from Jim, K8IQY.

Yesterday got the final parts and got it together last night. Forgot about the pics, so I'll have to build another one for someone (BTW, what is the going rate for building one of these puppies?).

This one, just like the one that I built for myself, worked first time each checkout step. I put in on the vee-beam and worked a K6 down in El Cajon, CA. To show you what a small small world it is, he knew Wayne Burdick, the designer of this rig, as a pup (Wayne) and was telling me stories during the QSO. Seems like his son and Wayne were in school together and all that stuff. :-) Wayne, I promise not to tell if you pay me enough.... ;-) During the QSO I was running 1 W as measured on the

K1 and the OHR WM-1 wattmeter. Then, since I was getting a 599 from the guy I cranked it down to 0.1W on the K1 but measuring 250mW on the OHR WM-1 and was still getting a 559.

The K1 and the other rigs are a must build ASAP. These are not kits you put in the "to do" pile for later. There were some important parts missing and you want to be sure to do the inventory first thing. You've seen the postings of hard to get parts. What if you wait a couple of years and the parts are not available. And then I don't know for how long Elecraft will warranty missing parts. Haven't seen that in print, but that doesn't mean it doesn't exist.

So, I'm waiting on the ATU and NB options and this puppy goes to its rightful home.

So, those of you doing TMPS. Here is your chance to catch up to me. I'll only be on 30m when 20 closes. I'm going to use this K1 puppy at 0.5W out and start a mini-run for WAS on 20m as long as I have this rig on the desktop. So, if you are on 20 late in the evenings, take a listen for me. It is appreciated. No skeds likely as my time line is crazy until after Ft.Smith AR meeting.....

FYI

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 Feb 17, 2001 Q's = 155 States = 42 Counties = 128 DXCC = 9
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

ID TX LA ND CA AZ NM WY NV MT CO OR ME KY WA SD NE NC AR IA GA HI MN AL WI
(first 25)

MD OH CT MO SC TN OK PA NJ FL MA NY KS IL CT NH MI (in order worked)

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6

Date: Tue, 20 Feb 2001 15:45:10 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [92172] Atlanticon hotel reservations
Message-ID: <000501c09b7e\$429fb000\$69ca9cce@ghlpt4>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks -

I've spoken with the reservations manager "Michelle" at the hotel we're using for the Atlanticon QRP Forum weekend on March 30-31, and I reserved the last 25 rooms available in the hotel for QRPers attending Atlanticon.

When you call, be sure to ask for "any type of room", as there are only single king smoking rooms remaining. If this doesn't meet your needs, call around to some other hotels in the area using the list provided at the GBHC site <http://www.gbhc.org/hotel.html> It's a short drive from most of them to the Holiday Inn where we'll be holding out 2-day QRP event.

The Atlanticon hotel is the Holiday Inn Select - Baltimore North, in Timonium, phone 410-252-7373 extension 2.

73, George N2APB
n2apb@amsat.org

Date: Tue, 20 Feb 2001 16:42:44 -0500 (GMT+5)
From: <wd9eyb@butler.qrp.com>
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [92173] Klunky Undo
Message-ID: <Pine.LNX.3.95.1010220163519.26140A-1000000@butler.qrp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added an undo function to the Klunky schematic web page. Just click the undo keyword to undo the last thing. If you leave the top frame the undo info is lost. Click save to save to a cookie before leaving the top frame. Click recall to get it back.

I have also added copy, cut, and paste. Click the misc keyword to get the yellow symbol. Put the yellow symbol at the upper left and lower right corners of the area to copy or cut and click the keyword. To paste put the yellow symbol at the upper left corner and click paste.

The Klunky schematic drawing web page is at the following location.

<http://butler.qrp.com/~wd9eyb/klunky/>

Jim, WD9EYB
wd9eyb@arrl.net

Date: Tue, 20 Feb 2001 16:55:21 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [92174] D68C contest logs are on !!!
Message-ID: <000901c09b87\$d244fa40\$25191842@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!

The QSOs from the test are on the logserver !!!
I got him with 500 mw on Saturday !!!

www.dxbands.com/comoros/logbook.shtml

73s

George Osier , N2JNZ/QRPP

Date: Tue, 20 Feb 2001 14:07:10 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [92175] Re: D68C contest logs are on !!!
Message-ID: <20010220220710.26162.qmail@web10008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- George Osier <gosier@twcnny.rr.com> wrote:
> Hello All !!!
>
> The QSOs from the test are on the logserver !!!
> I got him with 500 mw on Saturday !!!

Yep I'm in the log too. After seeing your 500mw I am almost ashamed to have worked him with 3 watts. 8-)

<http://www.dxbands.com/comoros/logbook.shtml>

73!

jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

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auctions.yahoo.com/](http://auctions.yahoo.com/)

Date: Tue, 20 Feb 2001 17:53:41 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [92176] K7QO on 20 meters
Message-ID: <5.0.2.1.0.20010220174817.00a64270@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Chuck is fb into Kentucky with his 500 mW on 14060.06 at 545pm EST.
Some QRM but a solid QS0.

73 To All

Pete NV4V

Date: Tue, 20 Feb 2001 17:56:20 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [92177] LDG Z-11
Message-ID: <LPBBJAGIPFHKPJENAKL00EHEDMAA.n1bq@wulfdn.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone out there any experience with the LDG Z-11 automatic ATU? I am thinking about getting one. TNX.

72/73 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
<mailto:n1bq@wulfden.org>
NoVT QRP Society <<http://www.wulfden.org/NVQS/>>
AMSAT LM-1418 NJQRP #274 ARS #915
QRP-L #2276 Zombie #768 NVQS #002

Date: Tue, 20 Feb 2001 15:01:39 -0800 (PST)
From: agtaylor@llnl.gov
To: qrp-l@lehigh.edu
Subject: [92178] Re: Full-Wave Loop Skywire
Message-ID: <200102202301.PAA10168@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

For what it is worth, the original author of the article in the Antenna Book and other places (Dave Fischer) is still with us. Dave now lives in northern Utah and uses the call NC7W although his real call is W7FB. He authored an article for the ARS Sojourner magazine a few months back.

Had fun in the ARRL DX test but didn't do any QRP in it. Did nab D68C on 20m from the west coast... not too bad...!

73 K7GT

--

Allan G Taylor
agtaylor@llnl.gov

Date: Tue, 20 Feb 2001 18:25:07 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [92179] Cub Fox Hunt Feb 19 2001(Results)
Message-ID: <3A92FCD3.BB854299@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks:

Here are my results after trying to read my scratch.
Worked a total of 58 stations, thanks to all.
Those of you who peaked 599 were:
K0EVZ, W8YMO, NC90, W9HL, K0FRP, KB9BVN

Had a good copy on my neighbours in Mn,Wi, and Mi.....

Again thanks to all for making my go at the Fox Cub an enjoyable one.

Fred
VE3FAL

Cub Fox Hunt Feb 19 2001

Time	Call	RPT	QTH	Name	PWR
2:01	KC1FB		559	CT JIM	5W
2:03	W9WIS		559	WI MIKE	5W
2:05	W5YR	559	TX	GEORGE	5W
2:06	VA6RF		569	AB EARL	5W
2:07	AC5JH		559	OK TOM	5W
2:09	N4ROA		559	VA DAN	4W
2:11	WU9F	559	WI	TERRY	5W
2:12	K0EVZ		579	ND DOC	5W
2:14	K5DI	569	NM	KARL	5W
2:16	WB8ICN		589	MI MIKE	5W
2:18	W3PNL		599	PA JOE	3W
2:19	KE0WW		579	MN MIKE	5W
2:21	K4TJD		559	GA TOM	5W
2:23	N9WW	579	IL	JIM	2W
2:25	AF4PS		569	FL MAC	4W
2:26	K9IUA		559	ND KEVIN	5W
2:28	KV4EE		559	SC CRAIG	5W
2:31	W0CH	569	MO	DAVE	5W
2:32	N8VAR		559	OH RON	5W
2:35	K5OI	559	NM	TIM	5W
2:36	W3SMK		559	NJ STEVE	5W

2:40	N04D	559	SC	KEN	2W	
2:41	K4GT	559	GA	JIM	5W	
2:44	N1TP	559	FL	TOM	5W	
2:46	KK5LD		559	TX	DAN	5W
2:49	NC90	599	IL	SKIP	2W	
2:50	WA9PWP		589	WI	PAUL	5W
2:52	K9IS	599	WI	STEVE		5W
2:54	KI0II		579	CO	RON	5W
2:57	VE5DC		589	SK	JERRY	5W
2:58	AA7XA		559	OR	FRANK	5W
3:00	KB9YIG		579	IN	TONY	2W
3:02	WB8WTU		559	OH	DENNIS	5W
3:05	W3ERU		559	MD	WES	50W
3:06	C02HA		539	CUBA	FRANK	3W
3:08	N4VM	559	TN	BRYN	5W	
3:11	WA7TQK		559	ID	BILL	5W
3:13	KB3EOF		559	MD	MURPHY	1W
3:15	AA7EQ		559	AZ	BOB	5W
3:17	N10DL		559	NH	ARON	4W
3:18	K5DW	559	TX	DON	5W	
3:20	WA7SPY		559	CA	GLENN	5W
3:21	KU4TN		559	VA	JAMES	500mw
3:24	K5ZTY		559	TX	BILL	5W
3:26	W9HL	579	IL	RANDY		5W
3:30	W3CD	559	CA	BOB	5W	
3:32	N9HWC		559	IL	TOM	3W
3:33	K0FRP		599	CO	AL	5W
3:35	AB0CD		559	CO	DICK	5W
3:38	KJ0D	559	MO	JIM	5W	
3:42	N6WG	559	CA	BOB	5W	
3:45	KI0RB		559	CO	VINCE	5W
3:47	KB9BVN		589	IN	BRIAN	5W
3:49	K0JLC		559	NE	JIM	5W
3:51	N4S0	599	AL	KEN	5W	
3:55	KE6RS		559	CA	RON	5W
3:57	KV70Q		559	OR	JIM	5W
4:00	VE3FAL		599	ONT	FRED	5W

Date: Tue, 20 Feb 2001 22:44:21 +0000
 From: Larry S Cahoon <wd3p@juno.com>
 To: gosier@twcnny.rr.com, qrp-1@Lehigh.EDU
 Subject: [92180] Re: D68C contest logs are on !!!
 Message-ID: <20010220.232559.-353087.1.wd3p@juno.com>
 MIME-Version: 1.0
 Content-Type: text/plain
 Content-Transfer-Encoding: 7bit

Great , checked mine this afternoon - my 5 Watt 10 meter QSO from the contest is there and my 500 mW 12 Meter Sunday QSO is there.

The site sure make for some interesting reading.

73 de Larry.....WD3P in MD

On Tue, 20 Feb 2001 16:55:21 -0500 "George Osier" <gosier@twcny.rr.com> writes:

> Hello All !!!
>
> The QSOs from the test are on the logserver !!!
> I got him with 500 mw on Saturday !!!
>
> www.dxbands.com/comoros/logbook.shtml
>
>
> 73s
>
> George Osier , N2JNZ/QRPp
>

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 20 Feb 2001 17:44:54 -0600
From: Paul Dryer <psdryer@ticnet.com>
To: n1bq@wulfdcn.org, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [92181] Re: LDG Z-11
Message-ID: <3A930175.3635EB73@ticnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian,
Check out www.eham.com reviews. They have 6 reviews on that tuner....all rate it a 5 out of 5. That says something!
Paul
kd5ivp

"Brian B. Riley, N1BQ" wrote:

> Has anyone out there any experience with the LDG Z-11 automatic ATU? I
> am thinking about getting one. TNX.
>
> 72/73 de brian, n1bq
>
> --
> N1BQ-3 @ 44 31.73N 072 51.55W
> WideN-N digi and weather station in Underhill Center, VT
> <mailto:n1bq@wulfden.org>
> NoVT QRP Society <<http://www.wulfden.org/NVQS/>>
> AMSAT LM-1418 NJQRP #274 ARS #915
> QRP-L #2276 Zombie #768 NVQS #002

End of QRP-L Digest 2104

